UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 3

Line 40, "models:" should read --models.--.

COLUMN 5

Line 63, "s_i is" should read --wherein s_i is--.

COLUMN 6

Line 8, "s^P is" should read --wherein s^P is--.
Line 11, "and s_p," should read --and s_p.--.
Line 21, "force Fy;" should read --force Fy; and--.

COLUMN 7

Line 9, "coefficient" should read --coefficients--.
Line 63, "$(180°\ \alpha°$ and" should read --$(180°+\alpha°$ and--.

COLUMN 8

Line 7, "$f_z(a_1V_1^1+a_2V_2^1+b_1V_i^2+b_2V_2^2)$," should read
    --$f_2(a_1V_1^1a_2V_2^1+b_1V_1^2+b_2V_2^2)$,--.
Line 13, "$f_x(c_1V_1^1-c_2V_2^1+d_1V_i^2-d_2V_2^2)$," should read
    --$f_x(c_1V_1^1-c_2V_2^1+d_1V_1^2-d_2V_2^2)$,--.
Line 19, "e_2,f_1 and" should read --e_2, f_1 and--.
Line 66, "a is" should read --α is--.

COLUMN 10

Line 52, "Having" should read --having--.

COLUMN 14

Line 58, "with a" should read --with α--; and "$\alpha_o$is" should read --α_o is--.
Line 63, "$f_z(a_1V_1^{1+}a_2^1V_2^1+b_iV_1^2+b_2V_2^2)$," should read
    --$f_z(a_1V_1^1+a_2V_2^1+b_1V_1^2+b_2V_2^2)$,--.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.   : 7,203,603 B2
APPLICATION NO. : 10/773015
DATED   : April 10, 2007
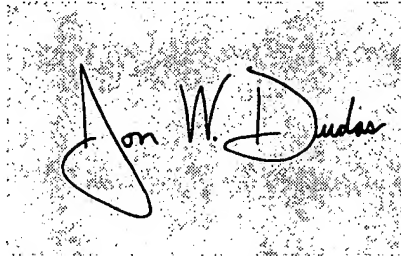INVENTOR(S)   : David Bertrand

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 15

Line 7, "of the applied force" should be deleted.

Line 8, "$C_2V_2^1+d_1V_1^2-d_2V_2^2$)," should read $--c_2V_2^1+d_1V_1^2-d_2V_2^2$),--.

Line 9, "coefficient" should read --coefficients--.

Line 13, "(180°α), with a" should read $--(180°-α)$, with α--.

Line 24, "(180°α), with a" should read $--(180°-α)$, with α--.

Line 59, "area;" should read --area; and--.

Signed and Sealed this

Twentieth Day of November, 2007

JON W. DUDAS
Director of the United States Patent and Trademark Office